Project Ko-KOMP

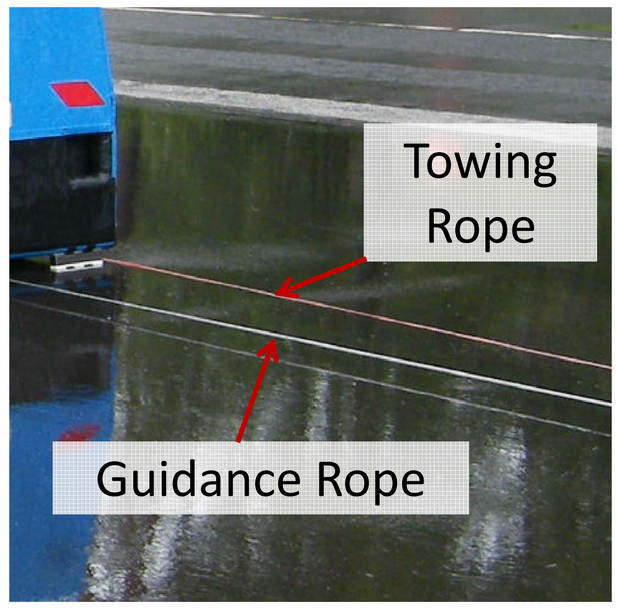
Test Methods for ADAS Systems
Moving Target Device (MTD)

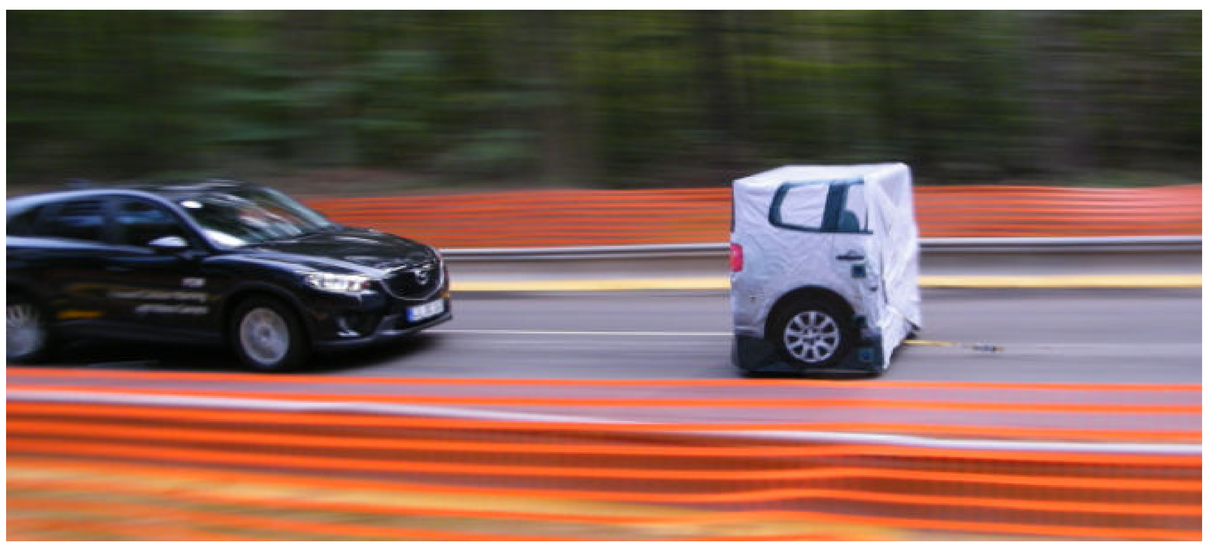
FORSCHUNGSINITIATIVE
K O - F A S

Goal: Non-destructive testing up to a collision in cross and parallel traffic in order to test integrated safety systems

Testing of

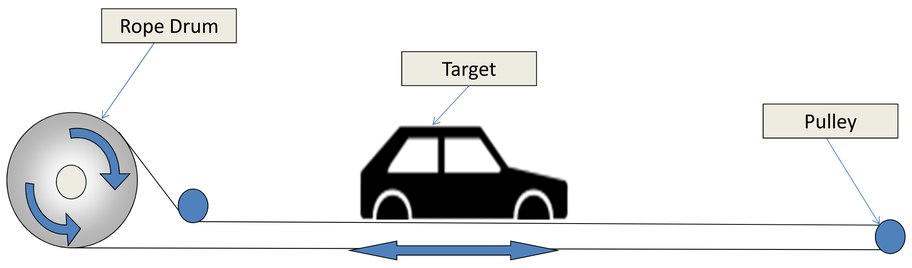
- Intersection Assist (ISA)
- Rear Cross Traffic Alert (RCTA)
- Forward Collision Warning (FCW)

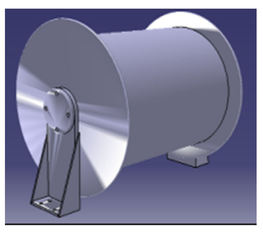




Function/Concept:

- Energy is supplied by batteries which provide sufficient power for approx. one testing day
- The charging time for the batteries is approx. 3.5 h
- Plastic ropes with little stretch are used exclusively
- Ropes can be crossed and do not interfere with radar systems
- The operating software allows individual motion as well as the performance of pre-defined cycles; external triggering included
- The setup can be fixed or mobile





Technical Data	
Typical Distance	s = 100 m / 150 m
Target Velocity	v ≤ 80 km/h
Target Acceleration	a ≈ ±1 g
Lane	d = ±2,5 cm
Collision Velocity	Δv ≤ 40 km/h (damage free)
Sensor Technologies	Radar, Camera, Lidar (Laser)

Continental
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FZD FAHRZEUGTECHNIK TU DARMSTADT
VUFO GmbH

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